

To: Dietrick McGinnis[dmcginnis@mcginnisandassociates.com]; Rodriguez, Dante[Rodriguez.Dante@epa.gov]
Cc: R9RSCC[R9RSCC@epa.gov]
From: Sturges, Susan
Sent: Fri 12/30/2016 1:08:49 AM
Subject: FW: Region 9 New Modified Analysis Request for ICP-MS - Anaconda Mine

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>>>>>

Hi Dietrick and Dante.

Heard back from our Headquarters and it appears CLP by modified analyses can likely meet your reporting limits for:

Be at 0.1 mg/kg,

Se at 0.2 mg/kg,

Mo at 0.5 mg/kg, and

U at 1.0 mg/kg.

They mention Thorium is likely not an issue if the CLP lab has the standards.

The lowest level for Boron by ICP-MS may be 5.0 mg/kg. Is this acceptable?

Susan Sturges

Regional Sample Control Coordinator

U.S EPA Region 9 Laboratory

1337 S 46th Street, Bldg 201

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<http://www.epa.gov/region9/lab/>

From: Appleby, Charlie

Sent: Thursday, December 29, 2016 2:46 PM

To: Sturges, Susan

Cc: Moody, Brett

Subject: RE: Region 9 New Modified Analysis Request for ICP-MS - Anaconda Mine

Susan,

Please find the status of appropriate MAs for your project, below, and let me know what questions you have.

Charlie Appleby

Analytical Services Branch

OLEM/OSRTI/TIFSD

(703) 347-0266 (Potomac Yard)

(703) 405-0057 (Mobile)

(706) 355-8555 (Athens)

From: Mayo, Alfred N [<mailto:Alfred.Mayo@csra.com>]

Sent: Thursday, December 29, 2016 8:16 AM

To: Appleby, Charlie <Appleby.Charlie@epa.gov>; Jarosz, Margaret T <Margaret.Jarosz@csra.com>; Moody, Brett <Moody.Brett@epa.gov>

Cc: Perkins, Nazy M <Nazy.Perkins@csra.com>

Subject: RE: Region 9 New Modified Analysis Request for ICP-MS - Anaconda Mine

Good Morning Charlie:

We have had modified analyses for Be at 0.1 mg/kg, Se at 0.2 mg/kg, and Mo at 0.5 mg/kg (MA 2535.1), as well as for U at 1.0 mg/kg (MA 2459.1). The lowest level I have found for Boron by ICP-MS so far is 5.0 mg/kg (MA 2570.0). Would this level be acceptable to the Region? The Boron MA does include the standard language to avoid the use of borosilicate glassware for sample preparation.

I have not yet located any previous MA's for Thorium. To the best of my knowledge, if a lab has the standards it should not be a problem to analyze.

Alfred Mayo

Senior Research Scientist

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From: Appleby, Charlie [<mailto:Appleby.Charlie@epa.gov>]
Sent: Wednesday, December 28, 2016 5:47 PM
To: Jarosz, Margaret T <Margaret.Jarosz@csra.com>; Moody, Brett <Moody.Brett@epa.gov>
Cc: Mayo, Alfred N <Alfred.Mayo@csra.com>
Subject: FW: Region 9 New Modified Analysis Request for ICP-MS - Anaconda Mine

Margaret,

Please look at this request and give me some feedback vis-à-vis Susan's questions.

Thanks,

Charlie Appleby

Analytical Services Branch

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(703) 405-0057 (Mobile)

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From: Sturges, Susan
Sent: Wednesday, December 28, 2016 5:16 PM
To: Moody, Brett <Moody.Brett@epa.gov>; Appleby, Charlie <Appleby.Charlie@epa.gov>
Cc: R9RSCC <R9RSCC@epa.gov>
Subject: Region 9 New Modified Analysis Request for ICP-MS - Anaconda Mine

Hi Brett (and Charlie – Brett has an out of office until Jan 3rd).

Region 9 has an upcoming Anaconda Mine Superfund analytical request (21 day TAT) for about

80 soils/sediments for metals analysis (ICP and ICP-MS) that will occur in sometime in January (dates not set yet).

Part of the request includes standard CRQLs for ICP-MS, with the following exceptions requiring a modified analysis:

1) Reduced quantitation limits for:

- Beryllium at 0.1 mg/kg

- Selenium at 0.2 mg/kg

2) Adding the following analytes:

- Boron at quantitation limit 3 mg/kg

- Molybdenum at quantitation limit 0.5 mg/kg

- Thorium at quantitation limit 1 mg/kg (1 is preferred, but 5 mg/kg falls in the lower end of expected results if 1 is not doable).

- Uranium at quantitation limit 1 mg/kg

Are these reduced quantitation limits and additional analytes available for ICP-MS through the CLP by a new MA? What is the likelihood of labs bidding on the request?

Thank you. Hope you're having a great holiday season!

Susan Sturges

Regional Sample Control Coordinator

U.S EPA Region 9 Laboratory

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